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May 26, 1993

Donna R. Searcy  
Secretary  
Federal Communications Commission  
1919 M Street, N.W., Room 222  
Washington, D.C. 20554

Re: Alcatel Network Systems, Inc.

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# **Compromise Channel Plan for Relocating 2 GHz Fixed Microwave Users to Bands Above 3 GHz**

**ET Docket No. 92-9**

**Alcatel Network Systems, Inc.  
Technical Staff**

## ***Why Are We Here?***

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# **To Discuss Rechannelization of Higher Frequency Bands**

**Issue:**  
**Which Channel Plan Should the FCC Adopt?**

**1.6 MHz Based (FCC/Alcatel)**

**2.5 MHz Based (TIA/Joint Commenters)**

- **Compromise would expedite closure on this issue**
- **Alcatel proposes such a compromise**

- Retains the 3.75, 2.5, and 1.25 MHz channel bandwidths proposed in the Joint Commenter Plan
- Retains the 800 and 400 kHz channel bandwidths proposed in the Alcatel Modified Plan
- Adopts the spectrum efficiency requirements from the Joint Commenter Plan for narrowband systems (5 MHz or less) and adopts the spectrum efficiency requirements for wideband systems (10 MHz or greater) from the Alcatel Modified Plan

- Phases in the spectrum efficiency requirements after a 2-year transition period
- Relocates 3.75 MHz channels so that they will not block multiple 5 and 10 MHz channels
- Gives microwave users the option to concatenate multiple contiguous channels, thereby increasing planning flexibility

- Removes 40 MHz wideband channels (originally

transmitted by the Joint Communications) retains 10 and 20

- **Adopts the upper 6 GHz and 11 GHz band channelizations from the Alcatel Modified Plan, thereby providing more channels than the Joint Commenter Plan and correcting material technical problems in the Joint Commenter Plan**
- **Adds narrowband channels to the 11 GHz band, as proposed by the Joint Commenters, and relocates these channels so that they will not overlap more than two wideband 30 or 40 MHz channels**
- **Optimizes access to the maximum number of 10 GHz channels**

- **Corrects several serious flaws with Joint Commenters' Original and Modified plans**

- Long term, the Alcatel plan is best
- Short term, the proposed compromise plan is best